

From owner-qrp-1@netcom.com Tue Oct 25 17:40:46 1994
Date: Tue, 25 Oct 1994 12:09:38 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9410251909.AA12494@uranium.EBay.Sun.COM>
Subject: Re: "Match All" ant. matcher

> >

>

> Pete, Jack and All,
... paragraph deleted

> As I recall, the loss was low. True the loss varied with the load
> resistance and frequency but I believe that it was never more than 1
> db but seems like on the order of 12%-15% or so of the input was cause
> for rejection.

>

>

A quick calculation for those without calculators handy shows
12%-15% loss is equivalent to .55 to .7 dB loss.

... paragraph deleted ...

> 73, Walt/K5YFW

>

72's de WB6TPU, Ray

From owner-qrp-1@netcom.com Tue Oct 25 05:41:24 1994
Subject: Re: \$2 free catalog ?
Date: Mon, 24 Oct 94 23:23:41 PDT
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Message-Id: <9410242323.aa17672@cruzio.cruzio.com>

Got hooked into joining ARCI at pacificon last weekend.
Received the October issue of QRP QUARTERLY and had a
good laugh when I saw the Kanga ad that says ..
"\$2 gets you our free catalog".
Who says you cant get something for nothing ?

--

Stan Goldstein , N6ULU

From owner-qrp-1@netcom.com Tue Oct 25 04:08:00 1994
From: rohrwerk@holonet.net
Date: Mon, 24 Oct 1994 22:31:02 -0700
Message-Id: <199410250531.WAA22000@holonet.net>
Subject: 500 uH choke

On 10-22-94 jeffrey@math.hawaii.edu wrote to qrp-1@netcom.com:

> I need to make a 500 uH RF choke. Rather than winding the beast (about
> 450 turns on one of my 5/4 inch cardboard cores)

...

Just wind about

```
: John Seboldt rohrwerk@holonet.net / I am Bach of Borg...
: Amateur radio K0JD... / your style will be
: Church of the Annunciation, / assimilated.
: Minneapolis /
```

-> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-1@netcom.com Tue Oct 25 10:44:54 1994
From: "Richard H. Neindorff" <neindorf@phoenix.Princeton.EDU>
Date: Tue, 25 Oct 1994 07:52:23 -0400
Message-Id: <199410251152.AA17406@phoenix.Princeton.EDU>
Subject: Attention QRP ARCI Awards Chairman

Hi Chuck,

I think this one is addressed to you. Do the NorCAL 40 and NE 40-40 qualify as "homebrew" under the QRP ARCI contest rules? Confusion over the rules is one reason I have never entered one of these contests.

---||-<| 72 - Rich - WB2RAR
===== wb2rar@amsat.org

From owner-qrp-1@netcom.com Tue Oct 25 01:59:21 1994
Message-Id: <199410250104.AA16329@bulkrate.cc.bellcore.com>
From: karayan@cc.bellcore.com (karayannopoulos,george)
Date: 24 Oct 1994 20:34 EDT
Subject: Re: Bigger and better mags

I do not pretend to be an expert in publishing magazines (although a fascinating field for me!). However, I am aware of a couple of highly specialized magazines, available primarily by subscription and over the counter in well-stocked hobby stores. "N Scale" and some other magazines come to mind. "N Scale" serves model railroaders who model trains in a less popular scale. They use very high standards in quality of paper, color pictures, etc. They do not carry all that much advertizing, and as a result their price is high. N scale magazine costs \$4.50 an issue and comes out bimonthly. Its quality

and VERY high standards in article selection has helped popularize the scale and increase the ranks of N-scalers. This caused more manufacturers to consider this niche, new manufacturers to appear and hobby shops to advertize more. All that, seems to me, added to their advertizing base.

The bottom line for all this blabbering is that a QRP mag may have to charge high before it can break even. The factor to consider, however, is that, as in the case of "N scale" mag, it can help promote the cause of QRP and advance its ranks -- and hence the magazine's subscriber base. That will bring more advertizing and more \$\$\$.

On the other hand, QRPers don't really need high quality paper and color pictures, do they? Unless you are like me and enjoy a picture of a beautiful sunset, with some mountains and trees in it, and a dipole strung between them! :-)

72+delta de George N2OW0/AA
Operating at Q(uite) R(educed) P(ower) levels!

From owner-qrp-l@netcom.com Tue Oct 25 11:22:35 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: Bigger and better mags
Date: Tue, 25 Oct 94 07:34:34 EST5EDT
Message-Id: <1994Oct25.073434.14855@wb3ffv.ampr.org>

Not a bad idea, though I don't know if the readership would be there to support something of that magnitude, and probably not the advertiser base, either. Then too, you'd have to pry readers and writers away from the existing QRP publications! I have a personal grudge against "slick" magazines with ultra-high quality paper--that costs money and drives up the cost. That's one of my big complaints about both Communications Quarterly and Hambrew, neither of which I get. Some people like high quality paper, but I like technical content, regardless of slickness of paper, and like to get good value for my QRP money. Slick paper is waaaaaaaaaaaaay down on my list of priorities in a publication. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Oct 25 14:57:00 1994
Date: Tue, 25 Oct 1994 10:52:00 -0400
From: "todd (t.w.) nichols" <tnichols@bnr.ca>
Message-Id: <"29267 Tue Oct 25 10:53:14 1994"@bnr.ca>
Subject: Block diagrams for ftp

I have uploaded to Ray's (WB6TPU) ftp site ftp.netcom.com two files for ftp. He has moved them to the /pub/rander/qrp directory for anonymous ftp. Here are the descriptions:

- 1) nc40block.ps - This is a block diagram of the NorCal 40 that we all know and love. Wayne Burdick gave permission for me to make this available. I have built my NorCal 40, but I have not aligned it yet. During my perusal of the documentation, I drew this out to aid my own understanding of the circuit. Thought y'all might like it.
- 2) inetrigblock.ps - This is a first cut at a block diagram of the INET Rig. The committees are busy working on the pieces of that project which got so much qrp list traffic recently. We aren't exactly zooming along due to work, family, etc., but we are proceeding. One thing that has emerged is the need for specification up front. That includes a block diagram, and here's the first draft. It really only includes the RF portions (R2, T2, VFO/quadrature, and front end). Anyway, I hope to flesh it out as work proceeds. Meanwhile, a glimpse of things to come! :-)

These were done with FrameBuilder 4.0. If there is enough noise, I can make available the file I have of "homebrew" symbols (mixers, filter, etc.) used in these diagrams (as Maker Interchange Format, or MIF) to Ray for ftp for those that can use them.

72, Todd

Todd Nichols Bell Northern Research, Ottawa, Ontario (613) 765-3560
tnichols@bnr.ca
KB0HQV/VE3 BNR didn't say it; I did

From owner-qrp-l@netcom.com Tue Oct 25 15:40:20 1994
Date: Tue, 25 Oct 94 11:22:14 CDT
From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Message-Id: <9410251622.AA02753@collie.aud.alcatel.com>
Subject: Dave Redfearn

Gosh,

Dave must really like that ne Index Labs rig... He seems to be selling all his other stuff. ;-)
Mike KE4PC

From owner-qrp-l@netcom.com Tue Oct 25 09:37:37 1994
Message-Id: <199410251214.FAA25259@netcom.netcom.com>
Date: Tue, 25 Oct 94 07:14:11 EDT
From: C=BAILEY%IS%211EIS@PAMDT.ANG.AF.MIL

Subject: GLP (Glip) Info

The Glip you are looking for is made by GC Electronics part number 10-9002. It is an alkyd based insulating varnish used to set variable electrical parts. It has some other creative uses too. It sells for about \$5 for 2 fluid oz. You might find some at your local electronics parts or tv repair shop.
72 de Cameron, KT3A.

From owner-qrp-l@netcom.com Tue Oct 25 15:55:46 1994
Date: Tue, 25 Oct 94 10:10:25 CDT
From: norris@lachman.com (Jim Norris)
Message-Id: <9410251510.AA29839@ra.i88.isc.com>
Subject: Help in identifying

Does anyone have any information for a piece of equipment built by TenTec. It is an accessory that contains a band-pass filter and notch filter in the same box.

73 de N9RKB
Jim

From owner-qrp-l@netcom.com Tue Oct 25 19:48:04 1994
Date: Tue, 25 Oct 1994 18:03:25 -0230 (NDT)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: Help in identifying

Message-Id: <Pine.3.87.9410251825.F4649-01000000@random.ucs.mun.ca>

Jim - don't have the model number but this was an accessory for the Argonaut Series of QRP rigs (505, 509, and 515) It was basically op amp filters and a notch circuit that was inserted in-line (external unit with two shielded leads going to rca jacks) the audio chain. It did not have any amplification but depended on the Argos final AF amp to work.

72 Bob V01DRB/WA6ERB

PS: I don't own one but did the next best thing - bought an Argosy which has these two circuits BUILT IN. I still think the ARGOSY II (digital model) was the best culmination of Ten Tec's QRP efforts (all the best things of the Argonaut with a built in QRO linear for those times when you need to call SOS with a bedspring antenna). Actually I think the Scout is just a modernized Argosy. Actually the ARGOSY I feel is still better since it not only has the optional SSB and CW IF filters but AF filter and AF notch to boot.

On Tue, 25 Oct 1994, Jim Norris wrote:

>
>
> Does anyone have any information for a piece of equipment built
> by TenTec. It is an accessory that contains a band-pass filter
> and notch filter in the same box.
>
>
> 73 de N9RKB
> Jim
>

From owner-qrp-1@netcom.com Tue Oct 25 20:09:32 1994
Subject: Re: Help in identifying
Date: Tue, 25 Oct 1994 13:47:40 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Message-Id: <9410251347.aa16254@paris.ics.uci.edu>

Jim -
Sounds like the 208 audio filter for the Argonaut series. Need more
info. Can you get some numbers from the box...the color...the size...
the connectors? Probably not of much interest to the group, write to
me off line (turner@ics.uci.edu) - I have owned most Ten Tec equipment
at one time or another :-)

Clark
WA3JPG

From owner-qrp-1@netcom.com Tue Oct 25 15:50:10 1994
Message-Id: <9410251611.AA01979@atm.com>
Date: Tue, 25 Oct 1994 09:16:41 -0700
From: kevinpu@atm.com (Kevin Purcell)
Subject: Re: How would you define QRP?

>Kevin Purcell wrote:
>
>>
>> Milliwatting is < 1 W (30dBm) and a little more challenging than regular
>> QRP (well, you are an S unit down).
>>
>
>and this begs the question "how much more difficult is an S unit?".
>Of course, that depends, among other things, on band conditions.
>Sometimes also depends a lot on local qrm (kids yelling in the
>car when you're operating mobile?) or the receiver noise figure.

In fact (if you have sort of modern RX) it has no dependence on the receiver noise figure. The equivalent noise figure for a rural night in a temperate area on 40m is around 30dB, 20m is 25dB, even 6m its in the low teens. Most of the rural noise is from emission for thunderstorms. In urban areas its far worse with manmade noise.

Check out ON4UN "Low band DX" or G6XN "HF Antennas for all locations" (p128) to see the graphs.

Its important for RX designers to understand these graphs otherwise you'll design overly sensitive RXes.

Kevin Purcell Attachmate Corp | kevinpu@atm.com | 206/649-6489
Seattle dBug Mac Developers SIG Organiser | xenolith@halcyon.com | N7WIM / G8UDP

From owner-qrp-l@netcom.com Tue Oct 25 02:24:08 1994
Message-Id: <n1429083149.36784@wgs-2.bwi.bls.com>
Date: 24 Oct 1994 10:49:56 -0500
From: "evans ken" <evans.ken@bwi.bls.com>
Subject: Index QRP-Plus

I just started subscribing to the list on 10/21. I was hoping to find some feedback on the QRP Plus from Index Labs. So far have only seen one comment from one individual that returned theirs. Can anyone provide some specific feedback?? How is the RX? the audio filter? Weight? Does it perform well/poor on both SSB & CW? The rig looks good and I am considering getting one, but would appreciate any comments.

Thanks,
Ken, KJ4XR
evans.ken@bls.bwi.com

From owner-qrp-l@netcom.com Tue Oct 25 20:14:35 1994
Message-Id: <m0qztFP-000BbmC@mercury.mcs.com>
Date: Tue, 25 Oct 1994 16:43:38 -0500
From: johnflem@popmail.mcs.com (John Fleming)
Subject: Istotron-40 Ant & QRP??

Has anyone tried the Bilal Isotron-40 antenna for QRP? How does it work? On the face of it, it's only 4 lbs and not that big. Could be great for portable work.

Anyone ??

John N9NDH

My Opinions are free, Advice will cost you

John Fleming

From owner-qrp-1@netcom.com Tue Oct 25 14:42:16 1994
Date: Tue, 25 Oct 1994 10:53:39 -0230 (NDT)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: It Lives! (NorCal 40 that is).
Message-Id: <Pine.3.87.9410251039.F17752-0100000@random.ucs.mun.ca>

Hi Brien,

You mentioned in your posting about building the NORCAL 40 that you were comfortable making torroid windings because you made your own flys for fly fishing.

I have a question that maybe some of the torroid winding experts can answer (you are an expert now - hi). Should you tightly wind the wire around the torroid making sure to keep the wire tight against the torroid as you make the bends or is it better to not worry about it and keep some looseness so that there is "air" between the winding and torroid.

I could see in one case that a "tight" weave may help stabilizing the winding so it is not affected by vibration etc (especially in a VFO) but I guess you can achieve the same with a loose weave and putting Q-dope on. Electrically I guess it doesn't make a difference - the magnetic flux is the same.

Fianlly does anyone use Q-dope anymore (I see that Ocean Electronic sells it). From what I can tell it used to be standard to apply Q-dope but I don't see it in use much anymore. Why is that? Is it because the circuits now-adays are more stable and don't require such tight control of the torroid windings? Or is it that the the material used in torroids is that much better with quality control (not sure if there is a link there to my question). So again as Andy Rooney would say - Why is that?

Food for thought...

73 Bob V01DRB/WA6ERB

From owner-qrp-1@netcom.com Tue Oct 25 03:03:38 1994
From: Toshiyuki Ando <ando@oecj.co.jp>
Message-Id: <9410250453.AA03580@take.oecj.co.jp>
Subject: Japanese QRP rig makers

Date: Tue, 25 Oct 94 13:53:45 JST

Hi Kevin and QRP fans,

Here are contact information of two firms Kevin requested:

Mizuho Tsushin Co. Ltd.
2-8-6, Morino
Machida City,
Tokyo 194 Japan
Phone: 0427(23)1049
Fax: 0427(23)6793

They recently annouced QRP kits (cw/ssb, 5w/0.5w) for 7, 21, 50Mhz.
Prices is yen 26,800. for the kit without case
36,800 with case

Note that they have been in business for 14 years in Japan.

AITEC Corporation
4590 Takahisa kou,
Nasu-cho, Nasu-gun
Tochigi-ken 325
Japan

Phone:0287(62)0939
Fax: unknown

Their authorized dealer, Tokyo Kagaku Musen (in Akihabara)
Phone: 03(3255)5509

They make handheld FM transceiver kits for 29 and 50Mhz.
Output power is only 100mw.
Price is yen 9,800.
Also they make the power boosters(kits) 10watts for those kits.
Price is yen 9,500

I hope all of you will like this kind of information.

Regards,
Toshi Ando
JK1APL

From owner-qrp-l@netcom.com Tue Oct 25 23:51:55 1994
Message-Id: <9410260032.AA13687@elmailer.asic.mtv.nec.com>
Date: Tue, 25 OCT 94 17:33:16

From: Charles Furnweger <CHARLES@asic.mtv.nec.com>
Subject: Re: Japanese QRP rig makers

> Toshi Ando wrote:
>
> Hi Kevin and QRP fans,
>
> Here are contact information of two firms Kevin requested:
>
> Mizuho Tsushin Co. Ltd.
> 2-8-6, Morino
> Machida City,
> Tokyo 194 Japan
> Phone: 0427(23)1049
> Fax: 0427(23)6793
>
>
> AITEC Corporation
> 4590 Takahisa kou,
> Nasu-cho, Nasu-gun
> Tochigi-ken 325
> Japan
>
> Phone:0287(62)0939
> Fax: unknown
>

I call Japan a lot and thought I would give some hints on dialing the telephone numbers that Ando-san gave out. If you are calling from outside the Tokyo area, you must NOT dial the leading zero. It is only used within Japan. The country code for Japan is 81, so, to dial Mizuho Tsushin Company from the USA:

011	81	427	(23) 1049
Int'l access (from USA)	Country code	Area code	phone number

Note that the International access code is dependant on the country you are calling from. It is needed to inform your local telephone system that this is an international call. The rest of the numbers should be the same when calling from anywhere in the world, except Japan.

Also, for those of you that don't keep up on the Yen to U.S. Dollar exchange rate, the current rate has been about 96 yen per USD\$1. To get an approximate price, just divide the number of yen by 100. For example, 9,500 yen is about USD\$95.

Hope this info is useful to you.

73s..... :-)
Charles
WB4OWL

--

Charles Furnweger	NEC Electronics, Inc.	Mountain View, CA
Voice: 415 965-6433	charles@asic.mtv.nec.com	FAX: 415 965-6374

From owner-qrp-1@netcom.com Tue Oct 25 03:47:25 1994
From: jeffrey@math.hawaii.edu
Date: Mon, 24 Oct 94 16:11:49 HST
Message-Id: <9410250211.AA11660@cruncher.math.hawaii.edu>
Subject: NorCal 40 on 1057 kc

Brien VE3VAW said:

``Alignment was a breeze for both rec. and trans.
sections, and right now it tunes approx. 7016.7 to 1057 I think.``
^^^^

Careful, Brien - there's lots of QRO stations down there (in fact, most run more than the legal limit); none of them seem to own any receivers, either. I'm sure they're bootleggers since they play music.

.73W,
Jeff NH6IL

From owner-qrp-1@netcom.com Tue Oct 25 04:18:01 1994
Date: Tue, 25 Oct 1994 02:39:00 +0000
From: william.redfearn.cmwdt01@nt.com
Message-Id: <"10755 Mon Oct 24 21:38:49 1994"@nt.com>
Subject: NORCAL 40 Partial Kit SOLD

Boy, what a flood of mail!!
The NORCAL partial kit is SOLD.
Thanks for the response, wish I had several more.

=====
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of
my employer, co-workers or any other person, real or imaginary.

From owner-qrp-l@netcom.com Wed Oct 26 00:11:29 1994
Date: Tue, 25 Oct 94 19:48:31 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9410260048.AA28361@chuck.dallas.sgi.com>
Subject: Pacificon de K5F0/6

Gang,

As Doug and others have already posted Pacificon has come
and gone.

I left Dallas on Friday night amidst the thunderstorms and rain
and was delayed by several hours getting out of town. I thought
it might be me getting trapped again and being a no show. :-)
But, I was determined to not let the wx or the airlines get
me down.

Got to Concord CA from Mt View CA the next morning and arrived at
8:30 am. Thought the QRP Forum was at 9 am, but it was at 11, so
I had time to browse through the flea market (didn't see any QRP
equipment) and look at the displays inside.

I snuck into the room as soon as the ATV group got out and sat
down. The room immediately filled up and it was a SRO (standing
room only crowd) and the biggest group to assemble for the
whole weekend. QRP is exploding and at a time when you'd think
that it'd be dying with bad propagation and all.

I was chatting with the guy sitting next to me as he had just
gotten a new Kantronix all mode critter (TNC). Turns out he
almost freaked out :-) when I introduced myself as it was
Mark Cronenwett, KA7ULD, another member of this group.

Doug started the session by introducing Wayne, Jim Cates, and the gang. Talked about NorCal and QRP ARCI and then turned session over to Wayne Burdick, N6KR.

Wayne gave a great and humorous talk about the geneology of the NorCal 40 and Sierra. We even got to see the only Safari rig in existence and this is the multiband rig that Wayne had in QEX some years back. Wayne did a great job and if you are ever near where is giving a talk, you had better show up, 'cuz it is going to be worth the trip to see him.

Had we known that the room was going to be empty for another hour, we could have really gotten into some more stuff. It was the first time in my life that I remember going to a ham meeting and for one hour not hearing a bunch of people coughing, talking, or handhelds going off. You could have heard a pin drop, that is how well our attention was being held.

Afterwards, the QRP ARCI/NorCal club had a table setup in one of the hallways (a perfect location for traffic) and it seemed like there was always a crowd there.

A bunch of us went to lunch at Fuddrucker's and later that evening most of the same group and another group to supper at El Torrito across the road from the Hilton in Concord CA where this event was held.

At 7pm the most exciting part of the day started. The room where the talk was held was reserved, but we rapidly moved out to the hallway where the table for the event station was (next to the NorCal table) and Wayne setup the Sierra (the same one that I had used a hamstick on 20M to work Santa Fe NM from Livermore on previous trip). We had coax running out to portable tower with respectable beam up 30 ft or so pointed north-west until rotator control appeared later.

I sat down called CQ CQ CQ DE K5FO K5FO K5FO/6 QRP K and was immediately answered by JA1AZS. Later worked another JA7 and FG5ED on the low end of 20M. All with 1W out and small gel cell (0.8Ahr) for power.

Others worked the station and someone else had MFJ 9020 SSB rig. The station generated a great deal of interest from passerby's also. Every meeting should have a rig(s) setup with a good antenna system to demo QRP in action. It will bring in the converts from high power.

There were so many people coming and going that I couldn't

list them all.

I left around 10 or so for the drive back to MtView and the gang had broken up by that time anyway.

I thoroughly enjoyed the friendliness and hospitality of the gang in CA. It was a thrill to see Wayne sit down with 3 of the Sierra's and tune them up to perfection. One of them, as Doug had noted, had never had power applied.

The job of winding toroids to perfection goes to a dentist who had no problems whatsoever, as he said it was like sewing up gums, at which point I passed out. :-) The number of mods to the Sierra in the rigs that I saw points out to me that the QRP group is a creative and go 'get 'em 'gung' ho crowd that loves to experiment and play and have fun with this hobby. It's not like we have a rig costing \$2,000 (US) that we just took out of the box to plug and play. We lovingly put the rig together, nurtured it to life, and then started making it somewhat personalized by adding bells and whistles.

So, take the title of no-show outta my name. I made it and I knew I could. :-) I won't be on Wednesday, as I brought NN1G NE30-40 to build and I'm so tired at the end of the day that I don't think that I can stay awake. :-)

Anyone for 'Two Guys' on Thursday night at 6:30pm? I can be there.

dit dit de K5F0/6

SIG

Chuck Adams K5F0 CP-60
adams@sgi.com

From owner-qrp-l@netcom.com Tue Oct 25 19:15:27 1994
Date: Tue, 25 Oct 1994 15:54:06 -0500 (CDT)
From: Bob Howle <bhowle@freud.inst.com>
Subject: QRP and Hamstick
Message-Id: <Pine.SOL.3.90.941025155053.2330B-100000@freud>

Has anyone had any luck running 40 m. QRP into a Ham Stick or anyother kind of mobile antenna?

I'm starting back to school in January and wondered if it was worth the

effort to try to knock off a couple of QSOs from the parking lot between classes.

Bob / WA4ZID

From owner-qrp-l@netcom.com Wed Oct 26 00:08:26 1994
Subject: Re: QRP and Hamstick
Date: Tue, 25 Oct 1994 17:02:46 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Message-Id: <9410251702.aa28624@paris.ics.uci.edu>

Ahhh... my mobile antenna of choice! (the one that I can afford!!!)

I have had many a good QSO using 5 watts PEP on 40 meters SSB. No QRM relief, but when conditions are good, you can do just fine. I probably have about 25 states confirmed with QRP SSB mobile on 40 in about a two month period on the Century Club Net (where they actually listen carefully for you :-).

Go for it.

Clark
WA3JPG

From owner-qrp-l@netcom.com Tue Oct 25 23:37:28 1994
Date: Tue, 25 Oct 1994 17:49:30 -0500 (CDT)
From: Jeff Gold <JMG@tntech.edu>
Subject: qrp mobile
Message-Id: <01HIPA4STFJCBESRD8@tntech.edu>

> From: IN%"bhowle@freud.inst.com" "Bob Howle" 25-OCT-1994 17:39:07.94
> To: IN%"qrp-l@netcom.com" "List QRP"
> CC:
> Subj: QRP and Hamstick
>
> Has anyone had any luck running 40 m. QRP into a Ham Stick or anyother
> kind of mobile antenna?
>
> I'm starting back to school in January and wondered if it was worth the
> effort to try to knock off a couple of QSOs from the parking lot between
> classes.
>
> Bob / WA4ZID

I did an article on mobile operation. .since I do only QRP operation using mostly an Argonaut 509 with external audio filter

and a "Cheap Keyer" from the ARRL manual.. old version. I also used some of the MFJ rigs and the new MFJ 20M SSB. I started with Hustler antennas.. mainly for 20 and 40. I then tested about every antenna or type.. the Texas Bug Catcher, the ham sticks, the spider and another version of the spider, as well as the Outbacker Perth. They all worked fairly well . .some better than others.. the article was in QST.. I can email the text if anyone is interested.

Also if anyone thinks the Quarterly would be interested, I am going to test the new CW module for the 20 meter travel radio.. could send the whole article with eval of CW module.

73,72

Jeff, AC4HF

From owner-qrp-l@netcom.com Tue Oct 25 08:42:55 1994
From: Toshiyuki Ando <ando@oecj.co.jp>
Message-Id: <9410251014.AA05479@take.oecj.co.jp>
Subject: QRP PLUS
Date: Tue, 25 Oct 94 19:14:12 JST

Is there anybody out there kind enough to fax me a copy of any articles of QRP PLUS in the recent magazines?
I am very eager to take a look at those articles immediately.
It is somewhat difficult to for me to obtain those magazines in time here.

My fax number is (81) 423-72-7066
(I do not need any cover pages. Please just write my name.)

In return, I would be happy to help you with QRP and other information in Japan.
Thank you.

Toshi Ando
JK1APL (Tokyo Japan)

From owner-qrp-l@netcom.com Tue Oct 25 11:21:12 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re QRP Plus
Date: Tue, 25 Oct 94 07:25:45 EST5EDT
Message-Id: <19940ct25.072545.14855@wb3ffv.ampr.org>

I don't have one, but will get to see one when K3TKS gets his (just ordered). As for the problems, take that with a grain of salt--the early production runs of just about anything known to Humankind always has problems of some sort, and those are invariably ironed out by the manufacturer in later versions. Everything is like that, and I would

be surprised if the QRP Plus is any different. Any reliable manufacturer of anything will be responsive and take care of those things...and those who don't won't be selling those particular products for very long! 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Oct 25 22:10:51 1994
Date: Tue, 25 Oct 1994 17:11:12 -0700 (PDT)
From: "Harvey A. Dapeer" <hadap@crl.com>
Subject: QRP+
Message-Id: <Pine.SUN.3.91.941025162224.3591B-1000000@crl7.crl.com>

It appears that my long winded monolog about the Index Labs QRP+ went to only one member of the list. My error! A few days ago I was a novice at this, now I'm an old hand. <:-)

With a point on his head??? Anyway, I will try to recount my experience with the radio. Please, this is just my opinion while operating one unit that may or may not have been typical. By the way the serial number was 174 or so. When I had talked with Index about a month ago they stated that at that time a couple hundred unit were "out there".

Just a little history first. I am a QRP'er. Been operating QRP for the last twenty years or so. No QRO since about 1965 +/- . My first and only qrp contest try was during field day 1979. Jim WB5BKO and I won the CQ Milliwatt Field Day Trophy while operating SSB only from batteries in a road side park. That's my own horn you hear in the background. That was my first and only contest. Why spoil my batting 1000!

So when I recently decided to get move active than I had been for the last few years I jumped in a ordered a Ten Tec Argo 556. A nice little rig but I could not tolerate the inaccurate tuning of it's PT0. I tried working with the techs at Ten Tec, replaced the PT0, returned the unit for their evaluation, etc. After being told that what I was complaining about could be eliminated by tuning in a cw signal using the RIT I chose to let them keep it and return my money; which they did even though I had the rig for two months.

Then at a swapfest a few weeks ago I came upon a dealer's exhibit and lo and behold, there was a QRP+ on display. He had bought it to be used as a demo unit and after a bit of haggling I was on my way home with it.

To make a much longer story shorter here are my observations:

The receiver was very noisy and did not match up to the sensitivity of my MFJ 9020. Although it was, I guess usable.

The constant "pinging" at each attack of the agc was too much of an irritant for me. I couldn't get "used to it". Even a spike of noise (static) would cause a loud ping. When Index was consulted about this I was informed that the ping was due to a design trade off. Something, I don't recall what was said, would not have been right if the pinging was removed. Sounded a bit strange to me.

While operating on SSB I suddenly found myself on 14060, one of my set memory freqs. Don't know how that happened.

I got a couple of reports of poor, weak, audio on SSB. This could well have been my mic. Don't know. I tried to use the mic I had used with the Argo, which brought raves about the quality of audio, by coupling it thru a cap to block the dc but it didn't work.

I discovered that the readout would skip a digit on a regular basis as I tuned up and down the band. The 100 hz digit that is. May have been a defect that could have been corrected.

At one point the display went blank. Nothing would work. I had to turn it off and back on to get it to work. This only happened once but it was in the middle of a QSO. I was not a happy camper!

So, you can see why I was a bit upset. Here I had paid out a chunk of money to a guy in another town who I had never met before and I had a radio that was not doing what I had dreamed it would. I was UPSET!

Because of my feelings I may not have given the radio a fair shake. But I just wanted to get rid of it and get my money back. I did and all is well now but for a while I had thoughts of being "taken to the cleaners".

The SCAF filter was great! Never heard anything like it. Really top notch. And the QSK was, in my opinion, better than Ten Tec's. I liked the "push a button, turn the main tuning knob" way the radio operated.

So there it is. Did I have a LEMON? I don't know. I guess if I had a little more time and the inclination to investigate it more I may have found out. But I didn't and that's that.

Hope I haven't cast a cloud over a good radio. I guess time will tell. After some more reports we will be better able to evaluate this new addition to the world of QRP.

Happy operating,

Harvey, K5DDJ

From owner-qrp-1@netcom.com Tue Oct 25 13:34:55 1994
Date: Tue, 25 Oct 1994 13:58:00 +0000
From: william.redfearn.cmwdr01@nt.com
Message-Id: <"381 Tue Oct 25 09:03:45 1994"@nt.com>
Subject: QRP+ info - Part 1

There has been a fair response to my posting about getting my QRP+. A lot of the questions concerned the basic features and capabilities so I will list the basic info from the QRP+ manual and some of my own comments based on comparing the QRP+ and Ten-Tec Scout over the last couple of days.

First, I have heard that the November 94 CQ Magazine has a review of the QRP+ and there will be a review in QST in the future.

INDEX Labs QRP+ HF Transceiver

Features

- * All band operation 160 - 10 meters.
- * General coverage receiver 1.8 - 29.7 Mhz.
Mine covers from around 1.4 - 30 Mhz.
NOTE: the radio only receives the 'normal' sideband and CW.
It does not have an AM detector.
- * 20 memories can be set to any frequency in the operating range.
There is no keyboard entry or 'band up' or 'band down' functions.
I use the memories to store the beginnings of the CW and SSB band segments for moving from band to band quickly. The 'fast' tuning rate is great for moving around in a band.
- * Provision for efficient split operation.
The RIT and SPLIT functions work with no noticable increase in switchover time from RX to TX.
- * High performance SCAF digital filters variable from 100Hz to 2400 Hz.
The SCAF is really good especially in CW.
- * Single Sideband and full break in CW operation.
- * Built in Iambic keyer.
The speed adjustment is in 5wpm steps, a little coarse but usable. The speed is displayed on the LCD when in the SPEED mode.
- * Very low power consumption on receive.
Mine draws 135-140 ma @ 13.55 vdc when receiving a signal.

Power

* The QRP+ requires a source of 12 vdc @ 1.5 amps.
In TX at 5 watts, mine draws 1.18 amp @ 13.53 vdc.
So far I have still been able to get 5 watts out on a battery at 11.6 vdc.

Antenna

* The QRP+ expects a 50 ohm matched load.
* Unlike most solid state transmitters the QRP+ is not readily
* damaged by mismatch and does not shut itself down under high SWR
* mismatched conditions.
* The antenna connection is a standard SO-239 connector.

Key

* A 3.5 mm phone jack is provided for the key.

Paddle

* A 3.5 mm stereo jack is provided for the keyer paddle.

Microphone

* The QRP+ is designed to be used with commonly available
* speaker mikes of the type sold for use with FM HTs.
This is an electret mike. The QRP+ provides a voltage on the
mike line. To use a dynamic mike or connect a terminal unit,
place a 4.7 uf capacitor in series in the mike line to block
the voltage. The input impedance is approx. 600 ohms.

Earphones

* Standard stereo headphones with 3.5 mm stereo plug are used.

There are no listed technical specs for things like receiver
sensitivity, crystal filter shape factor, spurious emissions,
and such. Hopefully one of the major magazine reviews will
publish some of the technical specs.

So far the QRP+ has compared well with the Scout. I really like the
RIT and SPLIT functions, the ability to rapidly change bands, and the
large tuning knob and slow tuning rate (about 4 Khz per turn). The
receiver does have a fair amount of noise with no antenna connected.
When an antenna is connected the atmospheric noise pretty much masks
the radio noise. The receiver has audio AGC and there is some popping
on strong signals. Having used Ten-Tec rigs for years with audio AGC,
I pretty much ignore it.
Hopefully this will provide some basic info about the QRP+ and I'll try
and post some more as I use the radio.
73 - Dave.

=====
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.

ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of my employer, co-workers or any other person, real or imaginary.

From owner-qrp-l@netcom.com Tue Oct 25 18:56:31 1994
Date: Tue, 25 Oct 1994 14:56:30 -0500 (CDT)
From: Jeff Gold <JMG@tntech.edu>
Subject: QRP+ VS Argonaut 509
Message-Id: <01HIP45LITZSBESL17@tntech.edu>

OK group,

with all this talk of the QRP plus.. I would love to see this discussion brought to an analogy I can understand. I have used the Ten Tec Argonaut 509 mobile for a few years and also a little portable. How would you compare the QRP+ with the Argo.. now lets make it a little more even.. assume there is some additional reasonable audio filter attached to the Argo 509.. like the original external audio filter (I used the schematic sent to my by one of the list's members and made a version with a little newer chip).

thanks

73,72

Jeff, AC4HF

hopefully about to be proud owner of an Omni VI.. and sad about the loss of my 850S

From owner-qrp-l@netcom.com Tue Oct 25 19:46:17 1994
From: N5EM@aol.com
Date: Tue, 25 Oct 1994 16:54:21 -0400
Message-Id: <9410251654132475997@aol.com>
Subject: qrp-l subscription

subscribe qrp-l n5em@aol.com

From owner-qrp-l@netcom.com Tue Oct 25 04:24:02 1994
From: rohrwerk@holonet.net
Date: Mon, 24 Oct 1994 22:31:03 -0700
Message-Id: <199410250531.WAA22001@holonet.net>
Subject: Re: QRPing

On 10-24-94 74740.3166@compuserve.com wrote to qrp-l@netcom.com:

> I'm awful glad no one told me rainspouts make lousy antennas for QRP.
> I might not be on the air at all. My motto is: if its metal, load it
> up. Doesn't hurt to try and it just might work. I now have the
> ultimate, low-profile, multi-band antenna. And it came with the
> house! :-)
>

My new 60-foot long continuous gutter could be good for something. Maybe it effectively IS a part of my antenna (350 foot circumference horizontal loop) by coupling :-)

Every time I go to work, I see the 100 foot or so bell tower of our church. There are internal downspout pipes, and some kind of bronze or copper decorative guttering at the top. I once clipped my DX440 shortwave receiver to it, and got good reception. Gotta bring the rig and tuner someday and see if I can get out with it!

The church proper is about 50 feet tall, and has that same guttering all around the building, and the same downspouts coming out of the wall at the bottom. Looks like a top-loaded vertical to me!

: John Seboldt	rohrwerk@holonet.net	/	I am Bach of Borg...
: Amateur radio	K0JD...	/	your style will be
: Church of the Annunciation,		/	assimilated.
: Minneapolis		/	

-> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-l@netcom.com Tue Oct 25 14:18:34 1994
Date: Tue, 25 Oct 1994 09:56:47 -0400 (EDT)
From: Craig LaBarge <cal@locke.ccil.org>
Subject: Re: QRPing
Message-Id: <Pine.3.89.9410250911.D20825-0100000@locke.ccil.org>

On Mon, 24 Oct 1994 rohrwerk@holonet.net wrote:

> My new 60-foot long continuous gutter could be good for something.

Hmmmmmm.....How about a non-conductive spacer in the middle and feeding it with ladder line?? :-)

73, Craig WB3GCK
74740.3166@compuserve.com

From owner-qrp-l@netcom.com Tue Oct 25 23:54:19 1994
Date: Tue, 25 Oct 1994 18:38:28 -0400 (EDT)
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: Re: QRPing

Message-Id: <Pine.SV4.3.91.941025183650.20209A-100000@atl1>

Outstanding... keep'em coming Jeff. I find the same thing. It is fantastic to operate QRP. 73, Jim, W4QO

From owner-qrp-l@netcom.com Tue Oct 25 13:30:37 1994
Message-Id: <199410251413.JAA16867@harbor.ecn.purdue.edu>
Date: Tue, 25 Oct 1994 09:13:08 -0500
From: Duane P Mantick <wb9omc@ecn.purdue.edu>
Subject: Re: Sierra on the air!

Regarding the inhalation of solder fumes....

Yes, there is some gunk in those fumes that accumulated over long periods of time could be harmful. In the short term it is primarily an irritant, moreso for some folks than for others.

Your "blow the fumes away with a fan" idea is better than nothing. You might note that MCM (among others) sells some very simple units with an activated charcoal filter for anywhere between \$50 and \$80 that actually *do* ABSORB some of the ionic particulates from solder smoke. We had a guy from PU's Radiological and Environmental Management area come to my shop with a "sniffer" and "sniff" both the plain solder smoke and the exhaust from the filtered fan. In terms of what the sniffer could actually sniff, there was a substantial reduction. Precise numbers we didn't do.

Duane
wb9omc

From owner-qrp-l@netcom.com Tue Oct 25 21:39:29 1994
Date: Tue, 25 Oct 94 19:36:12 EDT
From: ab4el@Cybernetics.NET (Stephen Modena)
Message-Id: <9410252336.AA09057@Cybernetics.NET>
Subject: silence on BOATANCHORS

If you have *specific* knowledge as to why boatanchors@gnu.ai.mit.edu has become silent...please email me.

--

de AB4EL emailer of boatanchors daily digests

From owner-qrp-l@netcom.com Tue Oct 25 13:28:57 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: sprat et al
Date: Tue, 25 Oct 94 07:48:31 EST5EDT

Message-Id: <1994Oct25.074831.14855@wb3ffv.ampr.org>

Regarding quantity of technical content, the QRP Quarterly publishes what it gets, and does not publish what it does not get. The bottom line is that people have to send us things before we print them. (Hint...hint...hint) Observation--SPRAT is sort of the Readers Digest of the QRP world--if their articles were fleshed out it would be much larger (and much more expensive to print and mail!). It's really great to have such a large amount of material to work with And for those of you on this list who do not get SPRAT, I'd highly recommend looking into the GQR Club. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Oct 25 04:01:34 1994

Message-Id: <2eac5898.pandora@pandora.uucp>

Date: Tue, 25 Oct 1994 09:00:05 +0800

From: "W. Daniel" <pandora!daniel>

Subject: Re: Stuffs lost in mail

On Mon, 24 Oct 1994 11:28:14 -0400, Bilbee@aol.com wrote:

> Daniel --

>

> I work for the Postal Service. I wonder if you checked with the company or
> individual to ensure that the item was sent? Is your mailbox secure? Where do
> you live?

>

> If I can be of any help please let me know.

I am waiting for some money Doug sent me a few months ago. He supposedly sent it twice but no sign of it. Also for a bunch of MTP3055E's also sent twice from another chap, Dana Myers, also never arrived for a few months. Also expecting the K5FO newsletter since issue #1, never seen any sign of it. Pretty certain they've all put it in the mail. That comes up to quite a bit I've lost.

> -- Bil Paul KD6JUI San Mateo CA

Thanks.

73,
Daniel

--

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+-----+-----+
| Daniel Wee | daniel%pandora@csah.com |
| UUCP1.12b | daniel.wee@f516.n600.z6.fidonet.org |
```


+-----+
** It is great wisdom not to rush into action nor
obstinately hold our own opinions ** Thomas A Kempis

From owner-qrp-l@netcom.com Tue Oct 25 11:39:52 1994
Date: Tue, 25 Oct 1994 12:38:00 +0000
From: william.redfearn.cmwdrr01@nt.com
Message-Id: <"21551 Tue Oct 25 07:37:53 1994"@nt.com>
Subject: Ten-Tec Century 22 and PS - For Sale

For Sale:
Ten-Tec Century 22 CW HF Transceiver
covers 80, 40, 30, 20, 15, & 10 Meters
20-25 watts out
double direct conversion receiver
RIT, audio filter
some slight scratches on case
with manual and matching Ten-Tec power supply
\$300.00 + shipping OBO

=====
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdrr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of
my employer, co-workers or any other person, real or imaginary.

From owner-qrp-l@netcom.com Wed Oct 26 00:08:48 1994
Date: Tue, 25 Oct 94 19:03:34 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9410260003.AA27809@chuck.dallas.sgi.com>
Subject: The Fox N6ULU

The FOX this week is Stan, N6ULU.

I got to meet Stan at Pacificon this past Saturday.
There is no reason other than propagation that everyone
East of the West Coast should not hear him. He is at
91 countries on the NorCal 40 with his fantastic antenna
system.

So Wednesday night at 0100-0300Z (Thursday in EU), start
looking for him at

7.110MHz the first 30 minutes
7.040MHz the next 1.5 hours after that

Good luck de K5F0/6

dit dit

SIG

Chuck Adams K5F0 CP-60

adams@sgi.com